

Fig. 1.

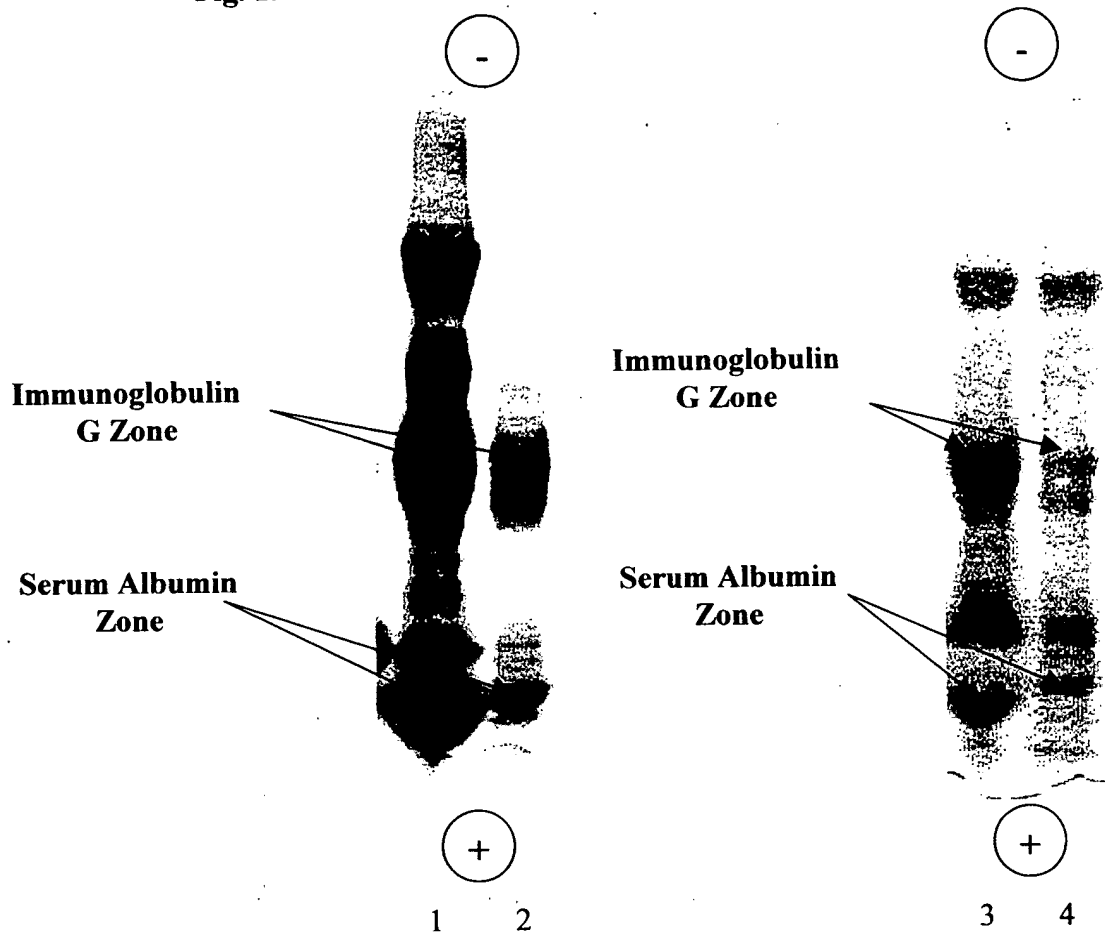


Fig. 2

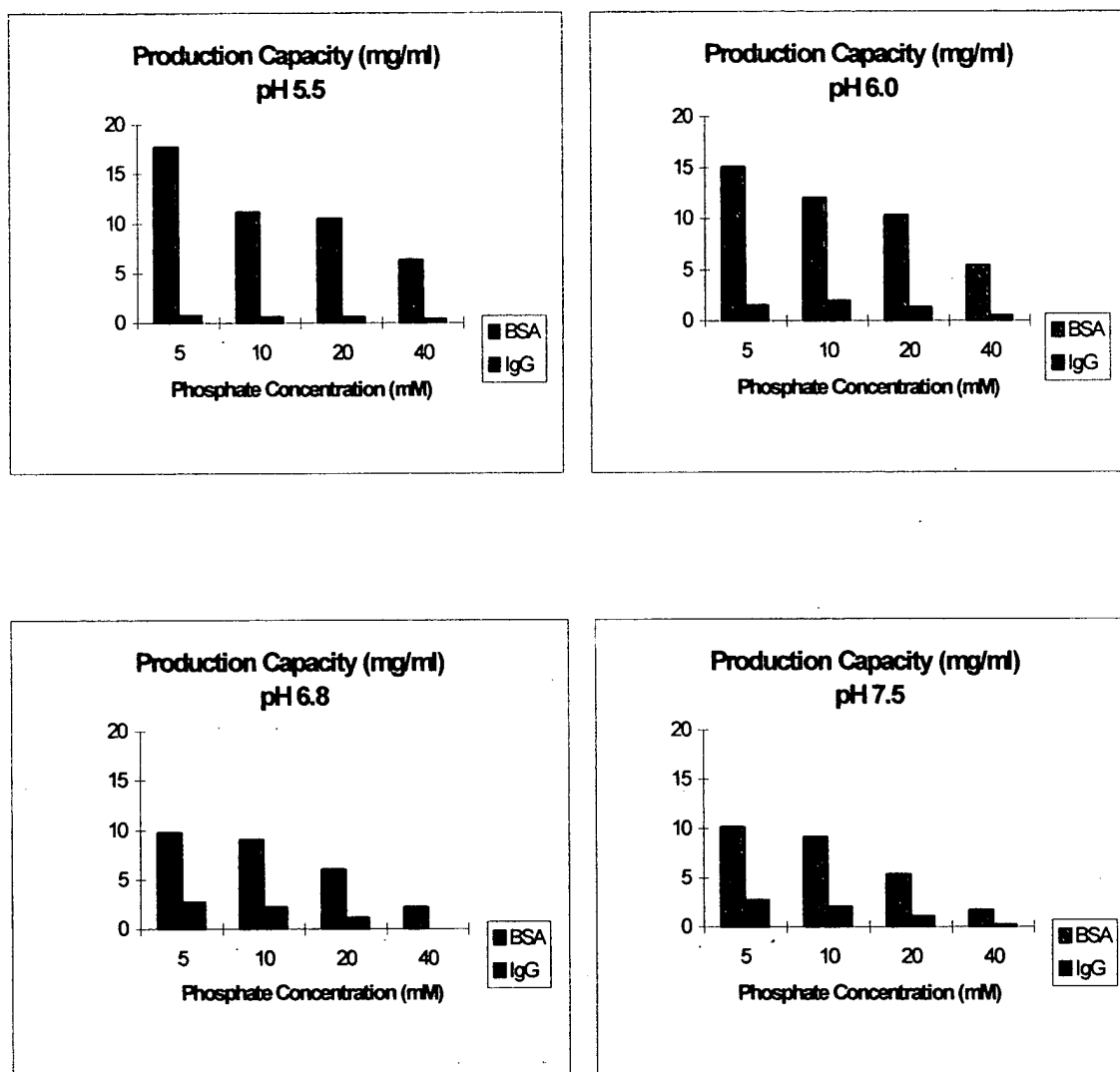


Fig. 3.

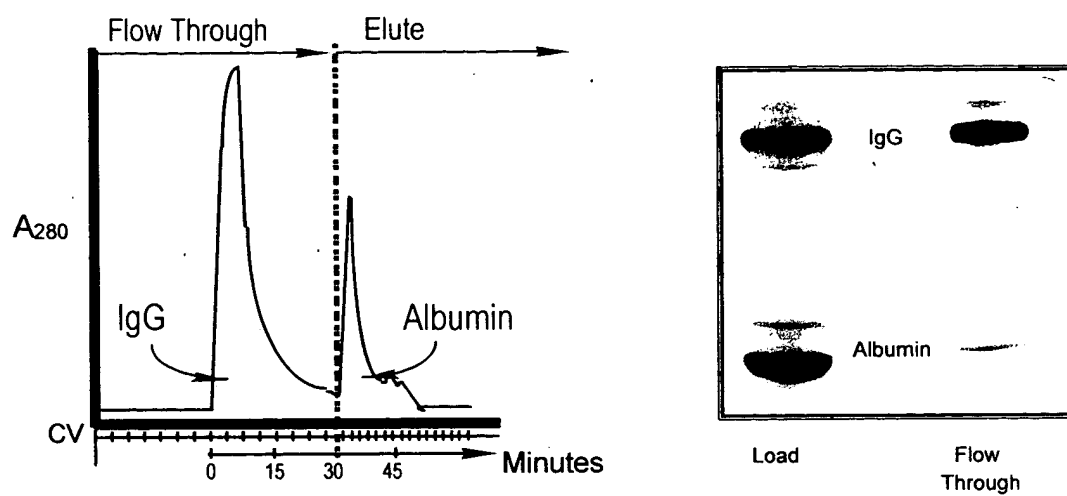
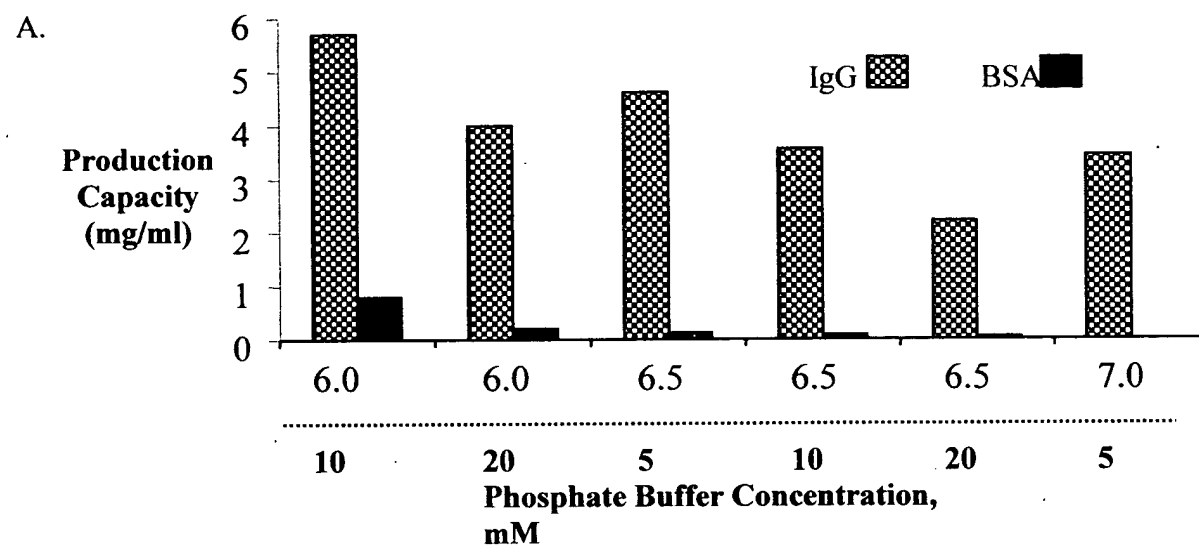
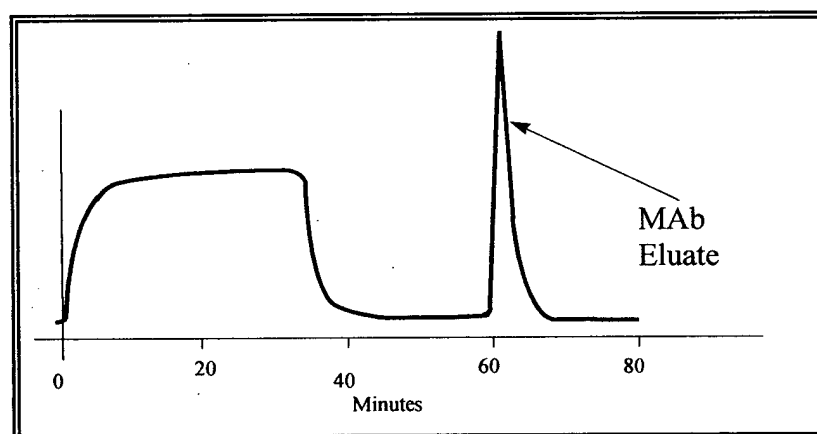


Fig. 4.



B.



C.

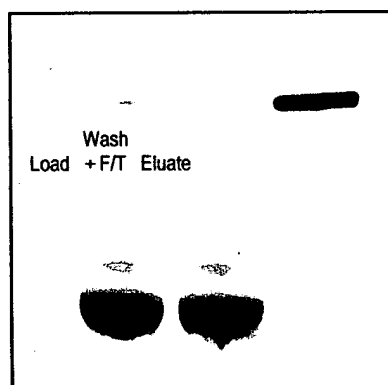


Fig. 5.

	pH 5	pH 6	pH 7
Bovine Serum Albumin	227	115	80
Glycated Bovine Serum Albumin	192	62	47
Rabbit Serum Albumin	233	165	62

Fig. 6.

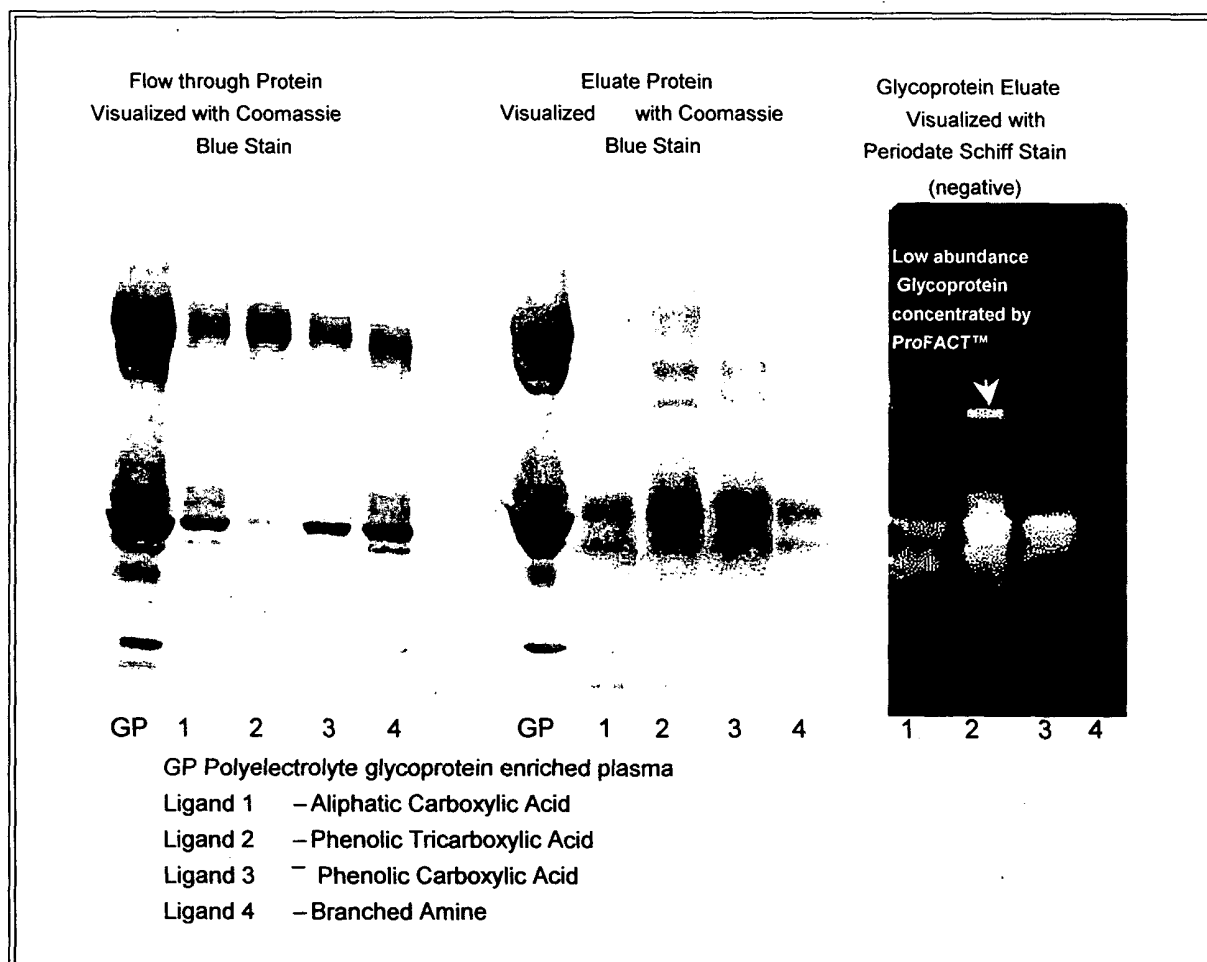
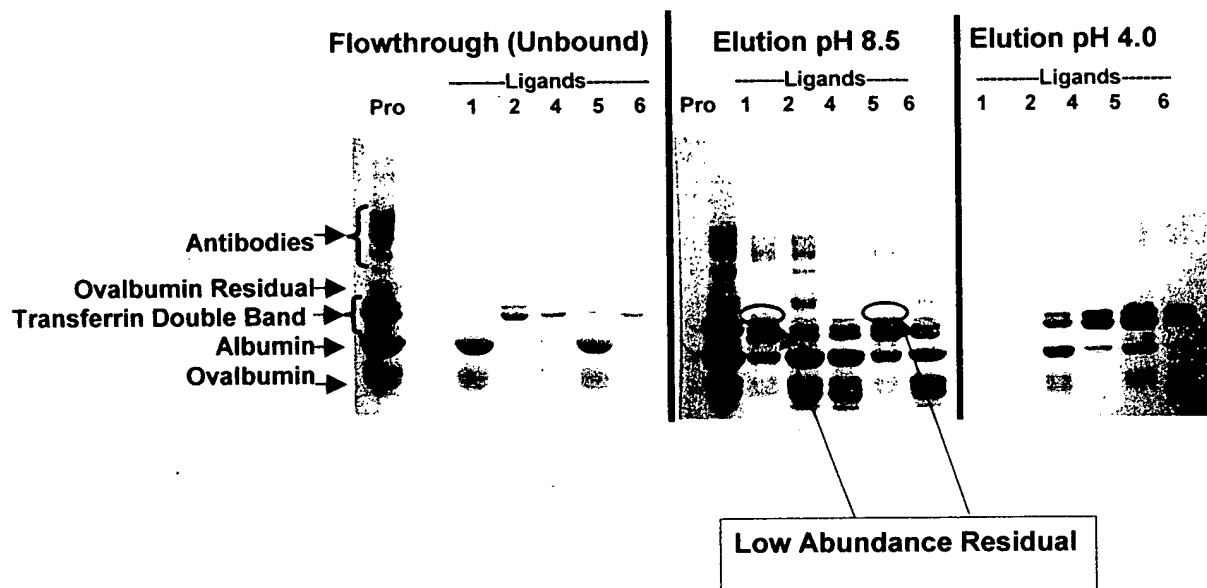


Fig. 7.

A.



B

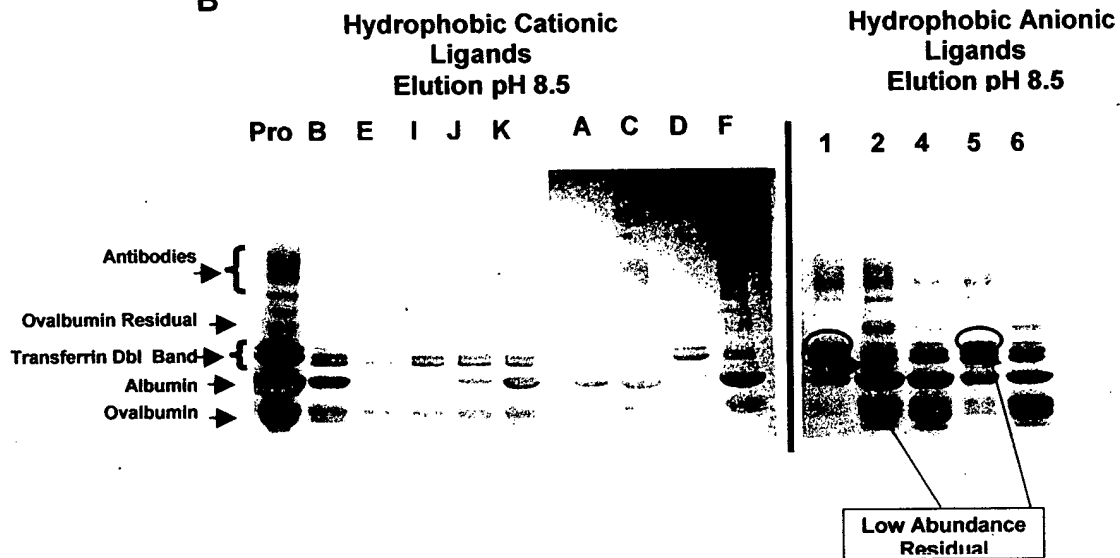
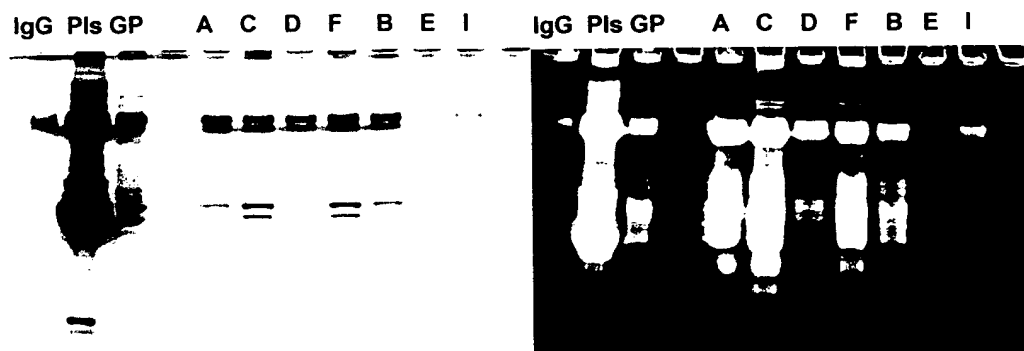


Fig. 8.

A

Elutions of Samples from Ligands A thru I pH 8.5



B.

Elutions of Samples from Ligands 1,2,4,5,6 pH 8.5

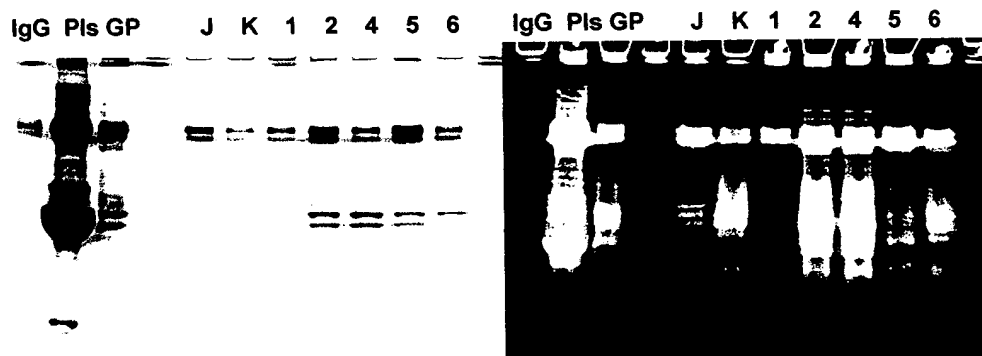


Fig. 9.

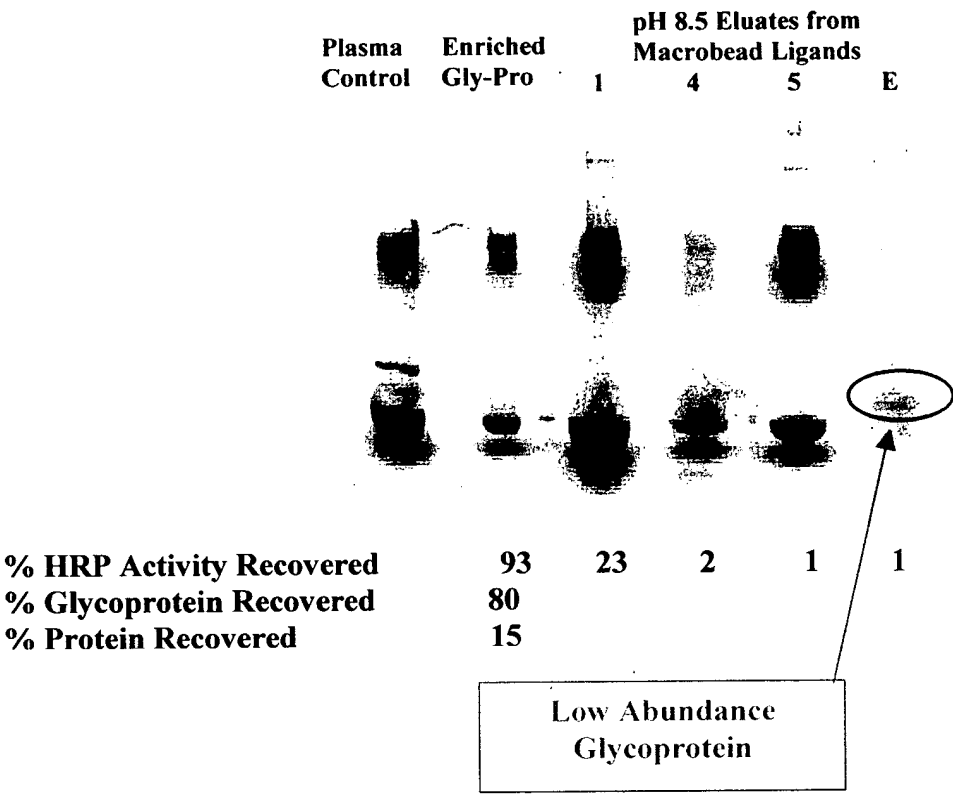
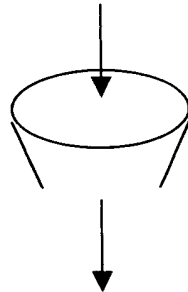


Fig. 10.

GLYCO-PROTEOMIC SYSTEM SCHEMATIC

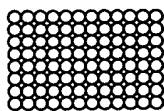
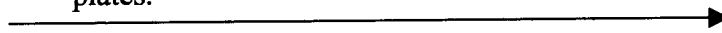
Serum or Tissue Homogenates are tested and analyzed comparing non-cancerous patient samples to cancerous samples



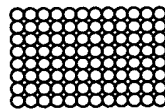
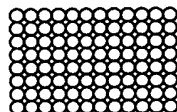
Samples are enriched for glycoproteins using acidic polyelectrolyte hydrogel technology.

Glycoproteins along with residual non-glycosylated proteins are applied to the modified beads in 96 well plates.

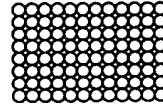
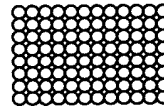
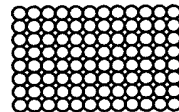
pH



Increasing salt



or sugar concentration



Modified beads with weak affinity for glycoproteins and conventional lectin affinity ligands are put into each well. Proteins are resolved across a range of pH, ionic and sugar strengths.